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Ev

effective sun control

EVERBRITE plexiglas* daylight LOUVER PANELS

*Registered trade-mark of Rohm & Haas Company, Philadelphia

A.I.A. file No. 35-P-2

Manufactured by

Everbrite PLASTICS
DIVISION OF EVERBRITE ELECTRIC SIGNS, INC.
MILWAUKEE 12, WISCONSIN

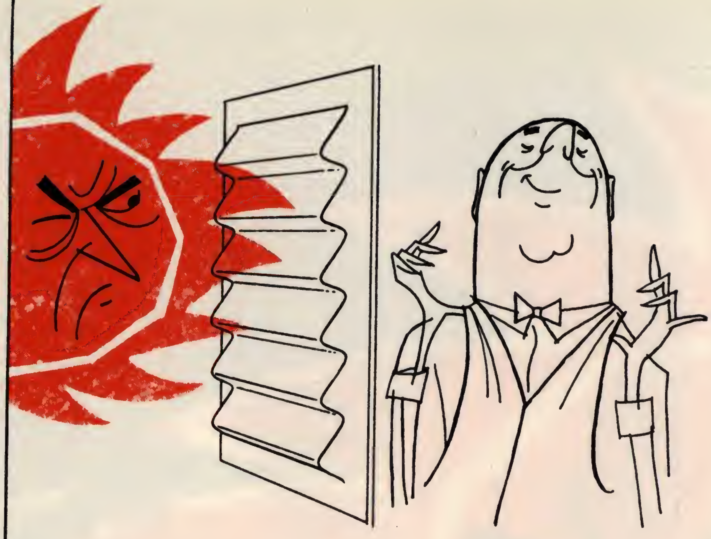
the problem

adequate diffused daylight without glare or heat

For years the problem of providing natural daylight for interiors has been a frustrating one because of heat and glare factors, and unbalanced distribution of light. Planned daylighting should provide adequate shielding from direct sun and sky glare. It should not reduce the quantity of admitted daylight below recommended levels. It should not impair the diffusion of daylight throughout room areas.

* * *

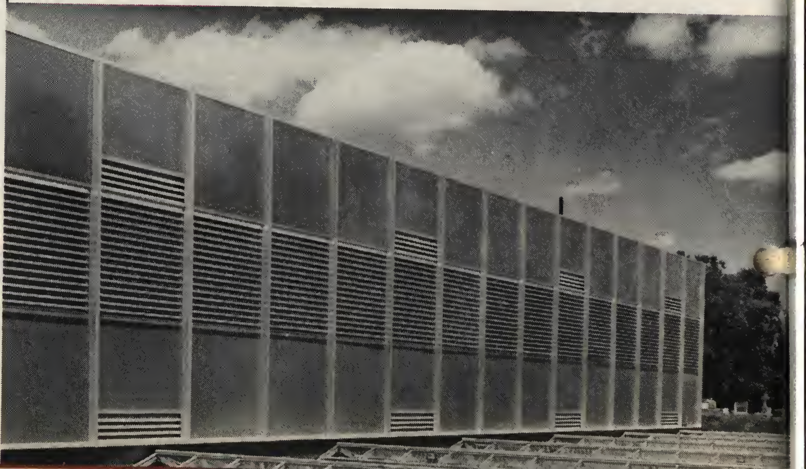
Several daylighting systems have failed because they depend upon frequent and precise adjustments of equipment. Now, with Daylight Louver Panels of Plexiglas acrylic plastic, the problem is solved *completely* and *practically*...



the solution

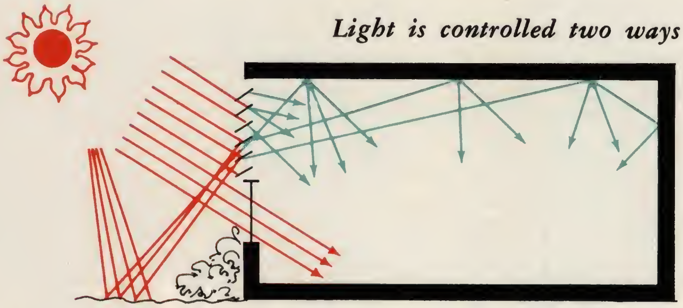
EVERBRITE *daylight* LOUVER PANELS

Nearly optimum visual environment in daylighting systems is easily obtained with proper application of Everbrite Daylight Louver Panels. These panels are formed of a continuous unbroken sheet with louvers indented and processed so as to form a shape and surface that increasingly deflects direct sun rays as the sun angle increases. Above 20° all direct sun ray is deflected and only indirect reflected sunlight is admitted to the interior. The soft white interior finish is completely without objectionable glare and distributes the reflected sunlight to the far reaches of the room, thus providing the most desirable quality and intensity of light. This new concept of daylighting is the long sought answer for today's modern schools, offices, industrial applications and homes.



MONSANTO CHEMICAL COMPANY
Agricultural Laboratory
St. Louis, Missouri
Architect
Holabird & Root & Burgee
Chicago, Illinois

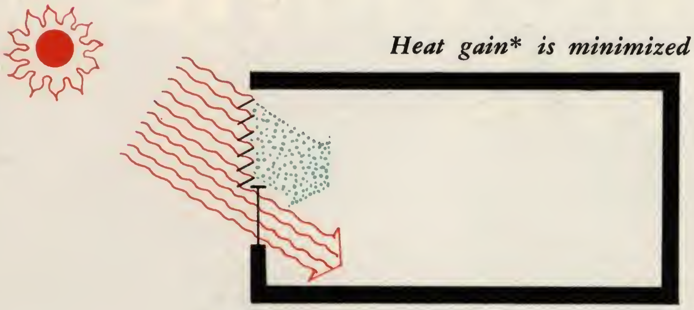
how? do daylight louver panels work?



Light is controlled two ways

The opaque angled louvers deflect *direct* sunlight and glare (A) to bring controlled sunlight into room with effective distribution.

Indirect light (B) reflected off foreground, is admitted through the clear panel undersides, and then is effectively distributed throughout the room.



Heat gain* is minimized

Daylight Louver Panels reduce solar heat gain significantly.

A substantial part of reflected and absorbed heat (A) is dissipated to the outside.

Area "B" indicates no stopping of heat through the vision strip beneath the Daylight Louver Panel.

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* Summertime solar heat gain (average) through Everbrite Louver Panels is approximately one-third of that through unshaded glass (where louver panel gives complete sun cut-off). Where sun is high above cut-off angle the heat gain is considerably less than one-third.

why? are they so effective?

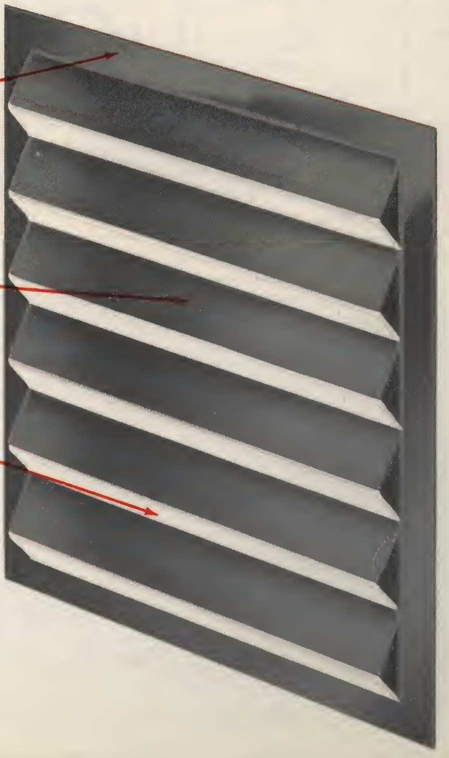
The Everbrite Daylight Louver Panel is a solid formed sheet of lightweight Plexiglas Acrylic Plastic, sides of which form a continuous flat flange for easy weather-proof installation.

Tops of louver slats are highly reflective, completely opaque. Permanent aluminum pigment insures maximum reflection and opacity.

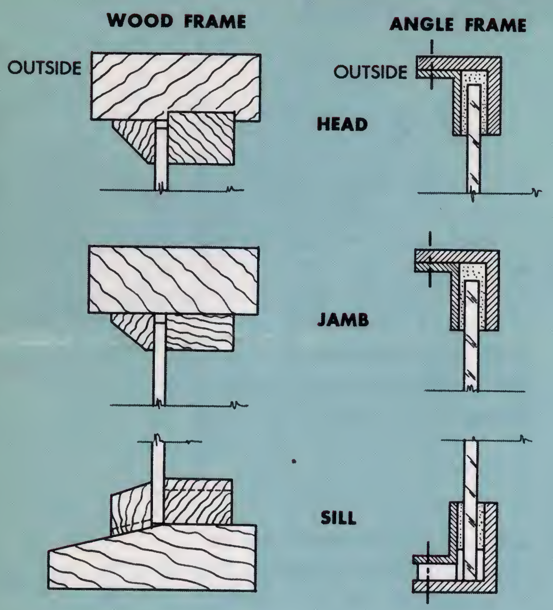
Bottom of louver slats are clear transparent to admit maximum reflected daylight.

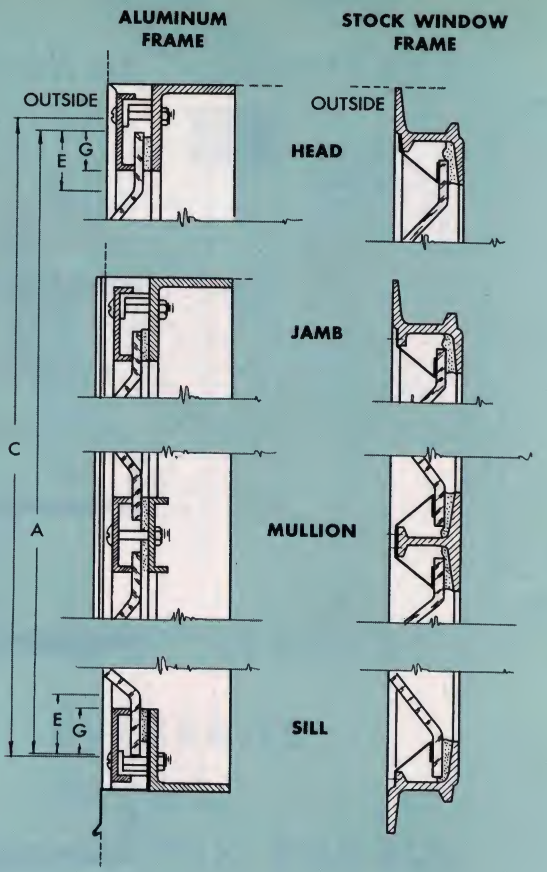
The exterior presents horizontal lines and aluminized slats to harmonize beautifully with today's modern architectural concepts.

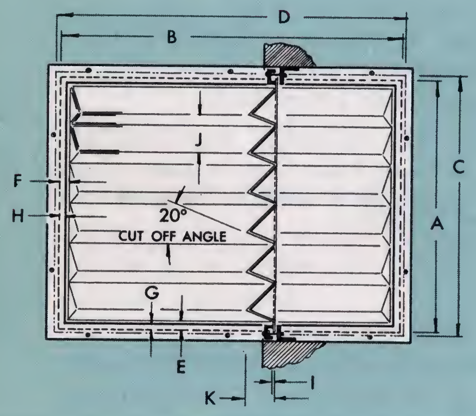
The interior surfaces are soft white to blend with the light and pastel colors of modern decor and still provide good light transmission with lowest possible surface brightness ratios.



suggested installation applications:







suggested specifications

Daylight Louver Panels shall be Catalog No.__________
as manufactured by Everbrite Plastics,
1440 North Fourth St., Milwaukee, Wis.
They shall be caulked with a non-hardening, non-staining, glazing compound or gasket material, and installed, all as recommended by the manufacturer.

Catalog Number	Overall Size of Panel		Inside Frame Opening		Flange Width		Minimum Flange Engagement Required		Flange Thickness	Frequency	Amplitude
	Height	Width	Height	Width	Vertical	Horizontal	Vertical	Horizontal			
E 4224	24	24	24⅛	24⅛	1¼	1¼	½	½	⅛	4⁵⁄₁₆	3″
E 4236	24	36	24⅛	36³⁄₁₆	1¼	1⅜	½	⅝	⅛	4⁵⁄₁₆	3″
E 4242	24	42	24⅛	42¼	1¼	1½	½	¾	⅛	4⁵⁄₁₆	3″
E 4248	24	48	24⅛	48¼	1¼	1½	½	¾	⅛	4⁵⁄₁₆	3″
	A	B	C	D	E	F	G	H	I	J	K
E 6324	36	24	36³⁄₁₆	24⅛	1⅜	1¼	⅝	½	⅛	4⅛	3″
E 6360	36	60	36³⁄₁₆	60⁵⁄₁₆	1⅜	1⅝	⅝	⅞	⅛	4⅛	3″
E 8448	48	48	48¼	48¼	1½	1½	¾	¾	⅛	4½	3″
E 8460	48	60	48¼	60⁵⁄₁₆	1½	1⅝	¾	⅞	³⁄₁₆	4½	3″
E 8472	48	72	48¼	72⅜	1½	1¾	¾	1	³⁄₁₆	4½	3″

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MILWAUKEE 12, WISCONSIN

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